

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1(currently amended). A method of processing MPEG transport stream data comprising the steps of:

(a) copying said MPEG transport stream data, in an MPEG format and including an MPEG header and without conversion to another format, into the respective data fields of at least one a DIF data block formatted for digital video; and

(b) storing said at least one DIF data block, that includes said MPEG formatted data ~~not converted to another format~~, on a storage medium in a digital video storage format.

2 (original). The method of claim 1 wherein said storage medium comprises a digital video tape.

3 (currently amended). The method of claim 1 further comprising the step of copying said DIF data block to a payload portion of an isochronous data transfer packet

4 (currently amended). The method of claim 1 further comprising the step of repeating said copying of said data to another said ~~data~~ DIF block.

5 (currently amended). A method of storing MPEG transport stream data on a digital video recorder comprising the steps of:

(a) copying said MPEG transport stream data, in an MPEG format and including an MPEG header and without conversion to another format, into a the respective data fields of at least one video DIF ~~data~~ block of a digital video frame not including the first byte of said ~~video~~ data field block; and

(b) storing said digital video frame, that includes said MPEG formatted data ~~not converted to another format~~, on a storage medium.

6 (original). The method claim 5 wherein said storage medium comprises a digital video tape.

7 (original). The method of claim 5 further comprising the step of copying said digital video frame into an isochronous data transfer packet.

8 (currently amended). The method of claim 5 further comprising the step of repeating said copying of said transport stream data to another said ~~video data~~ DIF block.

9 (currently amended). The method of claim 8 wherein said another ~~video data~~ DIF block is a data element of another said digital video frame.

10 (currently amended). A method of storing MPEG transport stream data with a digital video recorder comprising the steps of:

(a) copying said MPEG transport stream data, in an MPEG format and including an MPEG header and without conversion to another format, into a respective data fields of at least one DIF data block of a digital video frame not including the first byte of said data block;

(b) copying said digital video frame to an isochronous data packet;

(c) extracting said digital video frame from said isochronous data packet; and

(d) storing said digital video frame, that includes said MPEG formatted data ~~not converted to another format~~, in a digital storage medium.

11(currently amended). The method of claim 10 further comprising the step of repeating said copying of said transport stream data to another ~~data~~ DIF block.

12 (original). The method of claim 11 wherein said another video data block is a data element of another said digital video frame.

13 (currently amended). A method of storing MPEG transport stream data on a digital video recorder comprising the steps of:

(a) copying said transport stream data, in an MPEG format and including an MPEG header ~~and without conversion to another format~~, into an isochronous data transfer packet;

(b) extracting said transport stream data, in an MPEG format ~~and without conversion to another format~~, from said isochronous data transfer packet;

(c) copying said transport stream data, in an MPEG format ~~and without conversion to another format~~, into a respective data fields of at least one DIF data block of a digital video frame not including the first byte of said DIF ~~data~~ block; and

(d) storing said digital video frame, that includes said MPEG formatted data ~~not converted to another format~~.

14 (currently amended). The method of claim 13 further comprising the step of repeating said copying of said transport stream data to another ~~data~~ DIF block.

15 (currently amended). The method of claim 14 wherein said another DIF ~~data~~ block is a data element of another said digital video frame.

16 (currently amended). A method of storing MPEG transport stream data including an MPEG header, with a digital video recorder comprising the steps of:

(a) accumulating a quantity of said MPEG transport stream data equal to a digital video frame data quantity;

(b) copying said quantity of said MPEG transport stream data, in an MPEG format ~~and without conversion to another format~~, into a data field of at least one DIF data block of a digital video frame;

(c) repeating said copying of said quantity of said MPEG transport stream data, in an MPEG format ~~and without conversion to another format~~, into a data field of another said DIF ~~data~~ block as another said quantity of MPEG transport stream data is accumulated;

(d) copying at least one said digital video frame including said DIF ~~data~~ block to a data transfer packet;

(e) extracting said at least one digital video frame from said data transfer packet; and

(f) storing said at least one digital video frame, that includes said MPEG formatted data not converted to another format.

17 (currently amended). A method of storing MPEG transport stream data with a digital video recorder comprising the steps of:

(a) copying said MPEG transport stream data to a data transfer packet;

(b) extracting said MPEG transport stream data from said data transfer packet;

(c) accumulating a quantity of said MPEG transport stream data equal to a digital video frame data quantity;

(d) copying said quantity of said MPEG transport stream data, in an MPEG format and including an MPEG header ~~without conversion to another format~~, into the data field of a DIF ~~data~~ block of a digital video frame;

(e) repeating said copying of said quantity of said MPEG transport stream data, in an MPEG format and including an MPEG header ~~without conversion to another format~~, into the data field of another said DIF data block as another said quantity of MPEG transport stream data is accumulated; and

(f) storing said digital video frame, that includes said MPEG formatted data ~~not converted to another format~~.

18 (currently amended). An apparatus for storing data with a digital video recorder comprising:

(a) an accumulation buffer to accumulate a predetermined quantity of MPEG formatted data; and

(b) a frame packetizer to copy said MPEG data, in an MPEG format and without conversion to another format, into a DIF data block of a digital video frame not including the first byte of said data block.

19 (currently amended). The apparatus of claim 18 further comprising:

(a) a transfer packet encoder to copy said digital video frame to a data transfer packet not including the first byte of said data field ~~block~~; and

(b) a depacketizer to extract said digital video frame from said data transfer packet for storage.

20-23 (cancelled).